CW#13H: Multiply/Factor Polynomials

Honors Geometry

September 23rd , 2015

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

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| 1. **Example 1:** | 1. **Example 2:** |
| 1. **Example 3:**     1. What is the GCF of the terms ?    2. Factor the GCF out of the polynomial. | |
| 1. **Example 4:**     1. What is the factored form of ? | |
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| 1. A rectangular wooden frame has side lengths . The rectangular opening for a picture has side lengths . What is the area of the wooden part of the frame? Write your answer in factored form. Draw a labeled picture before solving this problem. | |
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| 1. Write a simplified polynomial expression that represents the area of a circle, whose radius equals   feet. | |
| Write an expression that represents the perimeter, in feet, of the region enclosed by the rope. | |